

MAY. 23. 2003 11:38AM

TTC-PA 650-326-2422

NO. 0967 P. 14

PTO/SB/05A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1448A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1

of 21

Complete If Known

Application Number	09/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005811US

U.S. PATENT DOCUMENTS

Examiner	Cite No.	Document Number Number Kind Code ³ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CD	340	2002/0162129 A1	10-31-2002	Lannfelt	
	326	2002/0136718 A1	09-26-2002	Raso	
	325	2001/0102261 A1	08-01-2002	Raso	
	306	6,417,178 B1	07-09-2002	Klunk et al.	
	342	2002/0009445 A1	01-24-2002	Du et al.	
	267	6,294,171 B2	09-25-2001	McMichael	
	234	6,284,221 B1	09-04-2001	Schenk, et al.	
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	230	6,262,335 B1	07-17-2001	Hsiao et al.	
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	221	5,989,566	11-23-1999	Cobb et al.	
	2	5,958,883	09-28-1999	Snow	
	3	5,955,317	09-21-1999	Suzuki et al.	
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	348	5,935,927	08-10-1999	Vitek et al.	
	3	5,877,399	03-02-1999	Hsiao et al.	
	6	5,869,093	02-09-1999	Weiner et al.	
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	9	5,851,998	12-22-1998	Kline	
	10	5,849,298	12-15-1998	Weiner et al.	
	321	5,837,672	11-17-1998	Schenk et al.	
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CD	197	5,744,368	04-28-1998	Goldhaber et al.	

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Considered

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TTC-PA 650-326-2422

NO. 0967 P. 15

PTO/SB/08A (10-01)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 21

Complete If Known

Application Number	09/724,567
Filing Date	November 29, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

211	5,736,142	04-07-1998	Sette et al.	
15	5,733,547	03-31-1998	Weiner et al.	
16	5,688,661	11-18-1997	Solomon	
17	5,679,348	10-21-1997	Nesburn et al.	
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198	5,004,697	04-20-1991	Pardridge	
34	4,666,829	05-19-1987	Glenner et al.	

U.S. PATENT DOCUMENTS

CITED PRIORITY DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Filing Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
206	60/234,400	12-08-2000	Holtzman et al.		
207	60/234,436	12-08-2000	Holtzman et al.		
205	60/234,442	11-28-2000	Challouf et al.		
205	60/184,801	02-24-2000	Holtzman et al.		

Examiner
Signature

G. Nichols

Date
Considered

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NO. 0967 P. 16

PTO/SB/01A (10-01)

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Substitute for form 1446A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 3 of 21

Complete if Known

Application Number	09/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

282	00/109,007	12-00-1999	Chen
243	00/450,604	11-20-1999	Chaffour et al.
285	00/441,180	11-10-1999	Solomon et al.
290	00/100,290	03-01-2000	Rasmussen et al.

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Examiner Initials*	Cite No.	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code ¹	Number ²	Kind Code ³ (if known)				
CJW	343	EP	1 172 378	A1	01-16-2002			
	35	EP	911 036	A2	04-28-1999			
	36	EP	888 918	A2	10-07-1998			
	37	EP	863 211	A1	09-08-1998			
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	45	EP	594 607	B1	08-27-1997			
	46	EP	561 087	B1	08-04-1999			
	47	EP	528 511	B1	05-28-1997			
	48	EP	506 785	B1	03-15-2000			
	49	EP	451 700	A1	10-16-1991			
	50	EP	440 619	B1	01-24-1998			
	51	EP	359 783	B1	11-29-1995			
	52	EP	276 723	B1	12-08-1993			Yes
	187	EP	783 104	A1	07-08-1997			
	351	WO	02/34878	A2	05-02-2002			
	352	WO	02/34777	A1	05-02-2002			
	341	WO	02/03911	A2	04-07-2001			
	344	WO	01/90182	A2	11-29-2001			
	348	WO	01/77167	A2	10-18-2001			
	294	WO	01/62801	A2	08-30-2001			
	301	WO	01/62284	A2	03-01-2000			
	298	WO	01/42306	A2	05-14-2001			

Examiner Signature

Date Considered

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NO. 0967 P. 17

PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

4

of

21

Complete if Known

Application Number	09/724,667
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

243	WO	01/39798	A2	06-07-2001	
199	WO	00/77178	A1	12-21-2000	
322	WO	00/72880	A2, A3	12-07-2000	
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58	WO	99/27944	A1	06-10-1999	
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200	WO	95/12815	A1	05-11-1995	
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72	WO	94/01772	A1	01-20-1994	
73	WO	93/21950	A1	11-11-1993	
74	WQ	93/16724	A1	09-02-1993	
75	WO	93/15760	A1	08-18-1993	

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Considered

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NO. 0967 P. 18

PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 5 of 21

Complete if Known

Application Number	09/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

76	WO	93/14200	A1	07-22-1993				
205	WO	93/04194	A1	03-04-1993				
77	WO	93/02189	A1	02-04-1993				
78	WO	92/13089	A1	08-06-1992				
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80	WO	92/08187	A1	04-16-1992				
81	WO	91/19810	A1	12-26-1991				
82	WO	91/16819	A1	11-14-1991				
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84	WO	91/08760	A1	06-27-1991				
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88	WO	89/06242	A1	07-13-1989				
89	WO	89/08889	A1	07-27-1989				
90	WO	89/03667	A1	05-05-1989				
91	WO	88/10120	A1	12-29-1988				
92	GB	2 220 211	A	01-04-1990				
93	GB	2 335 192	A	09-15-1999				

Examiner
SignatureDate
Considered

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NO. 0967 P. 19

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,567
		Filing Date	November 28, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Christopher Nichols
Sheet 6 of 21	Attorney Docket Number	015270-005911US	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ESW	94	ANDERSEN et al., "Do nonsteroidal anti-inflammatory drugs decrease the risk for Alzheimer's disease?" <i>Neurology</i> , 45:1441-1445 (1995).	<input checked="" type="checkbox"/>
	95	Associated Press, "Immune cells may promote Alzheimer's, a study finds," <i>The Boston Globe</i> (4/13/95).	<input type="checkbox"/>
	176	BARD et al., "Peripherally administered antibodies against amyloid β -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <i>Nature Medicine</i> , 6(8):916-919 (2000).	<input type="checkbox"/>
	228	BARROW, et al., "Solution Conformations and aggregational Properties of Synthetic Amyloid Beta-Peptides of Alzheimer's Disease. Analysis of Circular Dichroism Spectra" <i>J. Mol. Biol.</i> , 225(4): 1075-1093 (1992).	<input type="checkbox"/>
	96	BAUER et al., "Interleukin-6 and α -2-macroglobulin indicate an acute-phase state in Alzheimer's disease cortices," <i>FEBS Letters</i> , 285(1):111-114 (1991).	<input type="checkbox"/>
	239	BEASLEY, "Alzheimer's traced to proteins caused by aging," <i>Reuters</i> , April 20, 2001 7:56 PM ET.	<input type="checkbox"/>
	204	BERCOVICI et al., "Chronic intravenous injections of Antigen Induce and Maintain Tolerance in T Cell Receptor-Transgenic Mice," <i>Eur. J. Immunol.</i> , 29:345-354 (1999).	<input type="checkbox"/>
	212	BICKEL et al., "Site Protected, Cationized Monoclonal Antibody Against Beta Amyloid as a Potential Diagnostic Imaging Technique for Alzheimer's Diseases," <i>Soc. for Neuroscience Abstracts</i> 18:764 (1992).	<input type="checkbox"/>
	97	BLASS, John P., "Immunologic Treatment of Alzheimer's Disease," <i>New England J. Medicine</i> , 341(22):1894 (1999).	<input type="checkbox"/>
	98	BODMER et al., "Transforming Growth Factor-Beta Bound to Soluble Derivatives of the Beta Amyloid Precursor Protein of Alzheimer's Disease," <i>Biochem. Biophys. Res. Comm.</i> , 171(2):890-897 (1990).	<input type="checkbox"/>
	99	BORCHELT et al., "Accelerated Amyloid Deposition in the Brains of Transgenic Mice Coexpressing Mutant Presenilin 1 and Amyloid Precursor Proteins," <i>Neuron</i> , 19: 939-945 (1997).	<input type="checkbox"/>
ESW	100	BORIS-LAWRIE et al., "Recent advances in retrovirus vector technology," <i>Cur. Opin. Genet. Develop.</i> , 3: 102-109 (1993).	<input type="checkbox"/>

Examiner Signature	<i>G. Mue</i>	Date Considered	7/11/03
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PTO/SB/OSB (10-01)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	08/724,567
		Filing Date	November 28, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1847
		Examiner Name	Christopher Nichols
Sheet 7 of 21	Attorney Docket Number	015270-005911US	

SPD	101	BRICE et al., "Absence of the amyloid precursor protein gene mutation (APP717: Val->Ile) in 85 cases of early onset Alzheimer's disease," <i>J. Neurology, Neurosurg. Psychiatry</i> , 56:112-115 (1993).	<input type="checkbox"/>
	327	CAMERON, "Recent Advances In Transgenic Technology," <i>Molecular Biotechnology</i> , 7:253-265 (1997).	<input type="checkbox"/>
	285	CAPUTO et al., "Therapeutic approaches targeted at the amyloid proteins in Alzheimer's disease," <i>Clin. Neuropharm.</i> , 15:414A-414B (1992).	<input type="checkbox"/>
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	286	CHAPMAN, PAUL F., "Model behavior," <i>Nature</i> , 408:915-916 (2000).	<input type="checkbox"/>
	222	Chemical Abstract database, Abstract of "Injection of Newborn Mice with Seven Chemical Adjuvants to Help Determine Their Safety in Use in Biologicals," Chemical Abstract database. (Publication date unknown.)	<input type="checkbox"/>
	332	CHEN et al., "Neurodegenerative Alzheimer-like pathology in PDAPP 717V- \rightarrow F transgenic mice," <i>Progress in Brain Research</i> , Van Leeuwen et al. Eds, 117:327-337 (1998).	<input type="checkbox"/>
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	213	CHEN et al., "An Antibody to β Amyloid Precursor Protein Inhibits Cell-substratum Adhesion in Many Mammalian Cell Types," <i>Neuroscience Letters</i> , 125:223-226 (1991).	<input type="checkbox"/>
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SPD	333	CONWAY et al., "Acceleration of oligomerization, not fibrillization, is a shared property of both α -synuclein mutations linked to early-onset Parkinson's disease: Implications for pathogenesis and therapy," <i>PNAS</i> , 97(2):571-676 (2000)	<input type="checkbox"/>

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Examiner Signature		Date Considered	7/11/03
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 8 of 21

Complete if Known

Application Number	09/724,667
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,567
		Filing Date	November 28, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Christopher Nichols
Sheet 9 of 21	Attorney Docket Number	015270-005911US	

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**INFORMATION DISCLOSURE
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Sheet 10 of 21

Complete If Known

Application Number	08/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,567
		Filing Date	November 28, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Christopher Nichols
Sheet 11 of 21	Attorney Docket Number	015270-005911US	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,567
		Filing Date	November 28, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Christopher Nichols
Sheet 12 of 21	Attorney Docket Number	015270-005911US	

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124	HYMAN et al., "Molecular Epidemiology of Alzheimer's Disease," <i>N. E. J. Medicine</i> , 333(19):1283-1284 (1995).
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Examiner Signature	<i>[Signature]</i>	Date Considered	7/11/03
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,567
		Filing Date	November 28, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Christopher Nichols
Sheet 13 of 21	Attorney Docket Number	015270-005911US	

50	128	KAWABATA et al., "Amyloid plaques, neurofibrillary tangles and neuronal loss in brains of transgenic mice overexpressing a C-terminal fragment of human amyloid precursor protein," <i>Nature</i> , 354:478-478 (1991).	—
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,567
		Filing Date	November 28, 2000
		First Named Inventor	Dale B. Schank
		Art Unit	1847
		Examiner Name	Christopher Nichols
Sheet 14 of 21	Attorney Docket Number	015270-005911US	

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		Filing Date	November 28, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Christopher Nichols
Sheet 15 of 21	Attorney Docket Number	015270-005911US	

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Sheet 16 of 21

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Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,567
		Filing Date	November 28, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Christopher Nichols
Sheet 17 of 21	Attorney Docket Number	015270-005911US	

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Examiner Signature	<i>[Signature]</i>	Date Considered	7/11/03

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Sheet 18 of 21

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Application Number	09/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

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Application Number	09/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	08/724,587
		Filing Date	November 28, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Christopher Nichols
		Attorney Docket Number	015270-005911US
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Substitute for form 1449B/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,567
		Filing Date	November 28, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1847
		Examiner Name	Christopher Nichols
		Attorney Docket Number	015270-005911US
Sheet	21	of	21

	292	YAMAGUCHI et al., Diffuse plaques associated with astroglial amyloid β protein, possibly showing a disappearing stage of senile plaques," <u>Acta Neuropathol.</u> , 95:217-222 (1998).	
	290	YOUNKIN, "Amyloid β vaccination: reduced plaques and improved cognition," <u>Nature Medicine</u> , 7:18-19 (2001).	

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		Filing Date	November 28, 2000
		First Named Inventor	Schenk, Dale B.
		Art Unit	1647
		Examiner Name	Christopher Nichols
		Attorney Docket Number	015270-005911US
Sheet	1	of	1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CN	349	Check, "Battle of the Mind," <i>Nature</i> , 422:370-372 (March 2003).	
CN	350	Nicoll et al., "Neuropathology of human Alzheimer's disease after immunization with amyloid- β peptide: a case report," <i>Nature Medicine</i> , 9(4):448-452 (April 2003).	

Examiner Signature	<i>C. Nichols</i>	Date Considered	7/11/03
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